

067234-0130

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

U.S. APPLIC. NO. (if known, see 37 CFR 1.5)

107537204

INTERNATIONAL APPLICATION NO  
PCT/US2003/038582INTERNATIONAL FILING DATE  
3 December 2003PRIORITY DATE CLAIMED  
3 December 2002TITLE OF INVENTION  
MULTIPLEXED METHYLATION DETECTION METHODS

APPLICANTS FOR DO/EO/US

Fan, Jian-Bing

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3.  This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4.  The US has been elected (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached herewith (required only if not transmitted by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US)
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are attached hereto (required only if not transmitted by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendment has NOT expired.
  - d.  have not been made and will not be made.
8.  An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.  An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11. to 16. below concern other document(s) or information included:

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A preliminary amendment.
14.  An Application Data Sheet under 37 CFR 1.76.
15.  A substitute specification.
16.  A power of attorney and/or change of address letter.
17.  A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18.  A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19.  A second copy of the English translation of the International Application under 35 U.S.C. 154(d)(4).
20.  Other items or information.  
Form PCT/IB/308 and Return Postcard

## CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"EXPRESS MAIL" MAILING LABEL NUMBER: EV 603382177 US DATE OF DEPOSIT: June 3, 2005

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 C.F.R. 1.10 ON THE DATE INDICATED ABOVE, AND IS ADDRESSED TO: Mail Stop PCT, COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Sarah Nunez

(TYPED OR PRINTED NAME OR  
PERSON MAILING PAPER OR FEE)

(SIGNATURE OF PERSON MAILING PAPER OR FEE)

U.S. APPLIC. NO. (if known, see 37 CFR 1.50) <b>10/537204</b>	INTERNATIONAL APPLICATION NO. PCT/US2003/038582	ATTORNEY'S DOCKET NUMBER 067234-0130		
		CALCULATIONS		
21. <input checked="" type="checkbox"/> The following fees are submitted:		PTO USE ONLY		
<input checked="" type="checkbox"/> Basic National Stage Fee		\$300		
22. <input checked="" type="checkbox"/> Examination Fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)		\$100		
All other situations		\$200		
23. <input checked="" type="checkbox"/> Search Fee Search fee (37 CFR 1.445(1)(2)) has been paid on the international application to the USPTO as an International Searching Authority		\$100		
International Search Report prepared and provided to the Office		\$400		
All other situations		\$500		
<b>TOTAL OF 21, 22 and 23 =</b>		\$600		
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		\$0		
Total Sheets	Extra Sheets	Number of each additional 50 or fraction Thereof (round up to a whole number)	RATE	
106-100	6/50=	.12	X\$250	\$30
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).			\$130	
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE
Total Claims		15-20 =	0	x \$50.00
Independent Claims		2-3 =	0	x \$200.00
Multiple dependent claim(s) (if applicable) YES			+ \$360.00	\$360
		<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$1,120
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.			\$560	
		<b>SUBTOTAL =</b>		\$560
Processing fee of \$130.00 for furnishing the English translation later than the 30 months from the earliest claimed priority date (37 CFR 1.492(f)).			+	\$
		<b>TOTAL NATIONAL FEE =</b>		560
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property			+	\$
		<b>TOTAL FEES ENCLOSED =</b>		\$560
		Amount to be refunded		\$
		Amount to be charged		\$560
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>502624</u> in the amount of <u>\$560</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>502624</u>. A duplicate copy of this sheet is enclosed.</p>				
<p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p>				
SEND ALL CORRESPONDENCE TO:				
Customer Number 41552				
Telephone: 858.535.9001				
Facsimile: 858.597.1585				
SIGNATURE  NAME Astrid R. Spain REGISTRATION NUMBER 47,956				